APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/491,675	01/26/2000	David L. Multer	FUSI-04101	8895

7590   12/22/2011

Thomas B. Haverstock
162 North Wolfe Road
Sunnyvale, CA 94086

EXAMINER
ALAM, SHAHID AL

ART UNIT	PAPER NUMBER
2162	

MAIL DATE	DELIVERY MODE
12/22/2011	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
Notice of Allowability	09/491,675	MULTER ET AL.
	Examiner	Art Unit
	SHAHID ALAM	2162

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *IDS filed on 12/9/2011*.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

3. ☒ The allowed claim(s) is/are *51- 53, 61, 63, 65, 67- 70 and 72*.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

     a) ☐ All   b) ☐ Some*   c) ☐ None of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

     * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.

   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of

      Paper No./Mail Date _____.

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 12092011

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____.

7. ☒ Examiner's Amendment/Comment

8. ☐ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____.

/Shahid Al Alam/
Primary Examiner, Art Unit 2162

DETAILED ACTION

Information Disclosure Statement

The information disclosure statement (IDS) submitted on 12/09/2011 have been considered.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization and consultation for this examiner's amendment was given in a telephone interview with Thomas B. Haverstock on September 22 and 29, 2011.

Claims amended as per BPAI decision and under regulation MPEP 1213 and Form Paragraph 12.119.01:

The application has been amended as follows:

In the claim:

1-48.   (canceled)

49.   (canceled)

50.   (canceled)

51.   (currently amended) A data synchronization system for a first system having a

plurality of data sources each with a data source format, and a second system having a

plurality of data sources each with a data source format; comprising:

        a first data ~~synchronization~~ <u>synchronizer</u> on the first system transmitting at least

one set of difference information to an output;

        a second data synchronizer on the second system capable of receiving said at

least one set of difference information; and

        a network for coupling the first file system and the second file system to allow

communication between the first file system and the second file system when the first

and second file systems are physically remote from each other<u>,</u>

<u>   wherein each said data synchronizer comprises:</u>

<u>   a data source interface;</u>

<u>   a copy of a previous state of each said data source;</u>

<u>   a source data constructor applying difference information to said copy;</u>

<u>and</u>

<u>   a difference information generator.</u>

52.   (original) The data synchronization system of claim 51 wherein said difference

information is transmitted from said first synchronizer to said second synchronizer in a

universal format.

53.   (original) The data synchronization system of claim 51 wherein said data

synchronizer includes a plurality of difference source interfaces, each corresponding to

a data source format.

54.   (canceled)

55-60. (canceled)

61.   (previously presented) A data synchronization system, comprising:

        a server;

        a network to which the server is operatively coupled;

        a first system having a plurality of data file types;

        a differencing synchronizer on the first system extracting a first set of differencing

data from the data files on the first system when the data files on the system are

changed, outputting the differencing data to the server, and retrieving differencing data

from the server and applying it to selected data files on the first system;

        at least one second system having a second plurality of data file types; and

        a differencing synchronizer on the second system extracting the differencing data

from the data files on the second system when the data files on the system are

changed, outputting the differencing data to the server via the network, and retrieving

the first set of differencing data from the server via the network and applying it to the

selected data files on the second system.

62.   (canceled)

63.   (previously presented) The system of claim 61 wherein said systems are coupled

via the Internet.

64.   (canceled)

65.   (original) The data synchronization system of claim 61 wherein said first system

is a server and said second system is a device capable of communicating with said

server.

66. (canceled)

67.   (currently amended) A method for synchronizing at least a first file and a second

file resident on a first and a second systems, respectively, comprising:

      (a)   determining difference data resulting from changes to a first file on

      the first system, comprising comparing data from the first file to a copy of a

      previous state of data from the first file;

      (b)   transmitting the difference information to a remote second system

      via a network;

      (c)   applying the difference information to generate change data for the

      second file; and

      (d)   updating the second file on the second system with the difference

      data.

68.   (original) The method of claim 67 wherein said comparing step comprises extracting data from said first file, converting said data to a universal file format, providing said copy of said data in said universal format, and comparing said data and said copy to provide difference data in said universal format.

69.   (original) The method of claim 68 wherein said step of applying comprises:

        constructing new file data for said second file in said universal data format.

70.   (original) The method of claim 69 wherein said step of updating comprises translating said new file data into a format of said second file.

71.   (canceled)

72.   (previously presented) The method of claim 69 wherein the network is the Internet.

73 - 75. (canceled)

Claims 1 – 51, 54 – 60, 62, 64, 66 and 73 – 75 are canceled.

Claims 51 – 53, 61, 63, 65, 67 – 70 and 72 are allowed.

<div align="center">Contact Information</div>

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SHAHID ALAM whose telephone number is (571)272-4030. The examiner can normally be reached on Monday-Thursday 8:00 A.M.- 4:00 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John E. Breene can be reached on (571) 272-4107. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Shahid Al Alam/
Primary Examiner, Art Unit 2162

December 15, 2011